Computer Storage Products from NEC.

Perfect Performance

Update 1/2006

CD-Drive CD-Burner DVD-Drive Combo-Drive DVD-Burner Floppy-Drive

Empowered by Innovation NEC

An excellent proposition.

NEC leads with diversity and performance.

Whether you need excellent DVD- or CD-technology: NEC's high-performance, future-oriented high capacity storage products will amaze you with their power.

Experience the performance of our DVD-burners when they write to disks. See how fast our DVD- and CD-drives are at reading and playback.

The devices presented here are superior in everything that matters: hi-tech ability, impeccable precision and impressive technical specifications.

Professional users, computer manufacturers, and OEMs have put their faith in NEC for years. They know that NEC's storage products combine technological intelligence with extraordinary reliability and durability.

NEC is the pacesetter in innovation: in modern high capacity storage products and many other product areas.

You'll be amazed at our storage products. Browse the next few pages for a closer look impressive technical specifications. All our high capacity storage products are lead-free and thus meet the latest recycling standards.

Meeting the highest demands of performance, power, and a guaranteed future.

CD-Drive
CD-3002 4

CD-Burner
NR-9500 5

DVD-Drive
DV-5800 6

Combo-Drive
CB-1100 7

DVD-Burner Slimline
ND-6750/ND-7550 8

DVD-Burner Slimline
ND-6751/ND-7551 9

DVD-Burner
ND-3570/ND-4570 10

DVD-Burner
ND-3571/ND-4571 11

Floppy-Drive Internal
FD-1231H/FD-3238H 12

Floppy-Drive External
USB UF0002 13

Warranty, Service,
Hotline 14/15

Abb. folgt neu

CD-3002

Fast and efficient – even with the toughest workloads.

Once again, NEC has packed exceptional functionality and consummate design into the powerful MultiSpin CD-ROM drive CD-3002. Cutting-edge technology ensures realization of the most demanding multimedia applications. Its enormous transfer rate of 7,800 kByte/s and lightning-fast access time of only 120 milliseconds puts the CD-3002 in the forefront of current CD-ROM-technology. And we've developed its Maximum Performance Spinning System (MPSS) to enable comfortable running characteristics with future-oriented perfection.

Technical Specifications CD-3002

Data Transfer Rate	3,000 - 7,800 kByte/s
Access Time	120 ms
Cache Memory	128 kByte
Mechanism	Internal 12/8 cm CD-ROM disc drive (half height form factor), motorized tray load mechanism for horizontal and vertical use
Interface	IDE/ATAPI
Burst Transfer Rate	PIO mode 4/Ultra DMA 33 (max. 33 MByte/s transfer rate)
Audio	Analog and digital audio output connector on the back (MPC compatible)
Compatibility	High Sierra, ISO9660, CD-Audio, CD-ROM (mode 1 and mode 2), CD-ROM XA, Single- and MultiSession Kodak Photo CD, CD-I (FMV), Video-CD, Enhanced Music-CD (CD+), MPC Level 3, CD-Text, CD-RW read (in compliance with MultiRead spec.), PC2001
Weight	0.74 kg
Dimensions H x W x D	42 x 148.2 x 184 mm

NR-9500

Versatile virtuoso in three ways.

The NR-9500 stands for triple fascination. This technical virtuoso reads your CD-ROMs with 20 to 52x speed. In addition, it reads from or writes to your CD-Rs with the same speed, while reading your CD-RWs at a guaranteed transfer rate of up to 40x and writing it with 32x speed. The NR-9500 is your first choice because it uses ACTOPC – a high-class technology, patented by NEC. This progressive and high performance writing strategy will increase your fascination with read- and write-acceleration, data precision and write results.

Technical Specifications NR-9500

	CD-ROM	CD-R	CD-RW
Transfer Rate Read	52x	40x	40x
	(max. 7,800 kByte/s)	(max. 6,000 kByte/s)	(max. 6,000 kByte/s)
Transfer Rate Write		52x	32x
		(max. 7,800 kByte/s)	(max. 4,800 kByte/s)
Access Time	110 ms	120 ms	120 ms
Mechanism	Internal 12/8 cm CD-ROM/-R/-RW disc drive (half height form factor), motorized tray load mechanism for horizontal and vertical use, emergency eject		
Interface	IDE/ATAPI		
Burst Transfer Rate	PIO mode 4/Ultra DMA 33 (max. 33 MByte/s transfer rate)		
Cache Memory	2 MByte		
Audio	Digital-out and line-out at the back (MPC compatible)		
Media/Modes Supported	CD-ROM, CD-ROM XA, CD-Audio, CD-Extra, CD-Text, CD-I, CD-I Ready, CD-Bridge, Photo-CD, Video-CD, Hybrid-CD		
Writing Methods	DAO (disc at once), SAO (session at once), TAO (track at once) with zero gap, variable or fixed packet, multisession		
Compatibility	MPC Level 3, MultiRead, PC2001		
Weight	0.75 kg		
Dimensions H x W x D	42 x 148.2 x 184 mm		
Special Feature	Buffer underrun error prevention		

DV-5800

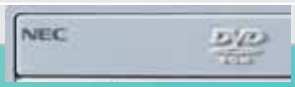
DVD-Drive MultiSpin 16X DVD

Great for exploring multimedia worlds.

Good news for everyone who's fascinated by advanced multimedia applications and wants to start taking advantage of them. NEC's DV-5800 is the perfect drive. In addition to 16x DVD-ROM, the DV-5800 reads CDs at 48x speed. With this performance, users can be assured of experiencing DVD-applications in exceptional quality. Perfect home cinema, fascinating renditions of pathbreaking PC applications, listening pleasure with audio CDs? The DV-5800 opens up new dimensions of multimedia.

Technical Specifications DV-5800

	DVD-ROM	CD-ROM
Data Transfer Rate Max.	16x (max. DVD 21,600 kByte/s)	48x (max. 7,200 kByte/s)
Access Time	110 ms	90 ms
Mechanism	Internal 12/8 cm CD-ROM and DVD-ROM drive (half height form factor), motorized tray load mechanism for horizontal and vertical use, emergency eject	
Interface	IDE/ATAPI	
Burst Transfer Rate	PIO mode 4/Ultra DMA 33 (max. 33 MByte/s transfer rate)	
Cache Memory	512 kByte	
Audio	Digital-out and line-out at the back (MPC compatible)	
Compatibility	DVD-ROM	
	UDF, single and dual layer, DVD-R, DVD-RW, DVD+R, DVD+RW, PC2001, RPC-2	
	CD-ROM	
	High Sierra, ISO9660, CD-Audio, CD-ROM (mode 1 and mode 2), Single- and MultiSession Kodak Photo CD, CD-ROM XA, CD-I (FMV), Video-CD, Enhanced Music-CD (CD+), CD-Text, MPC Level 3, CD-RW read (in compliance with MultiRead spec.)	
Weight	0.8 kg	
Dimensions H x W x D	42 x 148.2 x 170 mm	
Special Feature	True MultiRead drive	



CB-1100

Powerful specialist for combined technologies.

Here's how to unite things the right way: NEC's CB-1100 is a DVD-drive and CD-burner all in one. It reads DVD-ROMs with 16x speed and can read CD-ROMs at up to 52x speed.

Simultaneously, it is so talented that it can write your CD-Rs with up to 52x and your CD-RWs with 32x speed. Use its excellent performance for completely new solutions and advantages

Technical Specifications CB-1100

	DVD-ROM	CD-ROM
Transfer Rate Read	16x CAV (max. 21,600 kByte/s)	52x CAV (max. 7,800 kByte/s)
	CD-R	CD-RW
Transfer Rate Read	40x CAV (max. 6,000 kByte/s)	40x CAV (max. 6,000 kByte/s)
Transfer Rate Write	52x CAV (max. 7,800 kByte/s)	32x CAV (max. 4,800 kByte/s)
Access Time	150 ms	130 ms
Mechanism	Motorized tray load mechanism for horizontal and vertical use, emergency eject, buffer underrun error prevention	
Interface	IDE/ATAPI	
Burst Transfer Rate	PIO mode 4/Ultra DMA 33 (max. 33 MByte/s transfer rate)	
Cache Memory	2 MByte	
Audio	Digital-out and line-out at the back (MPC compatible)	
Media/Modes Supported	DVD read, CD-ROM, CD-ROM XA, CD-Audio, CD-Extra, CD-Text, CD-I, CD-I Ready, CD-Bridge, Photo-CD, Video-CD, Hybrid-CD	
Writing Methods	DAO (disc at once), SAO (session at once), TAO (track at once) with zero gap, variable or fixed packet, multisession	
Compatibility	MPC Level 3, MultiRead, PC2001	
Weight	0.75 kg	
Dimensions H x W x D	42 x 148.2 x 184 mm	

ND-6750/ND-7550

DVD-Burner Slimline 8X/8.5 GB

Two little bundles of energy with the ambition to perform.

Both the ND-6750 and the ND-7550 drive have highly convincing technical specifications. It is no trick for these thin, sleek virtuosos to write DVDs in the –R DL format with up to 4x speed. When writing DVDs in the +R DL format both devices reach 8x speed. They achieve up to 8x speed for DVD+RW and up to 6x speed für DVD-RW. Additional bonus: The ND-7550 is also able to write in the DVD-RAM format, reaching 5x speed. Because of their mini-size one of them is a discriminating addition to the most powerful laptops.

Technical Specifications ND-6750/ND-7550

		DVD-ROM	CD-ROM
Transfer Rate Read		8x (max. 11,000 kByte/s)	24x (max. 3,600 kByte/s)
Transfer Rate Write	-R	8x (max. 11,000 kByte/s)	24x (max. 3,600 kByte/s)
	-RW	6x (max. 8,250 kByte/s)	16x (max. 2,400 kByte/s)
	-R DL	4x (5,500 kByte/s)	
	-RAM	ND-7550: 5x ZCLV (max. 6,900 kByte/s)	
	+R	8x (11,000 kByte/s)	
	+RW	8x (max. 11,000 kByte/s)	
	+ R DL	8x (max. 11,000 kByte/s)	
Access Time		160 ms	130 ms
Mechanism		Internal 12/8 cm CD- and DVD-drive, motorized tray load mechanism for horizontal and vertical use, emergency eject, buffer underrun error prevention	
Interface		IDE/ATAPI	
Burst Transfer Rate		PIO mode 4/Ultra DMA 33 (max. 33 MByte/s transfer rate)	
Media/Modes Supported		DVD-ROM, DVD-R, DVD-RW, DVD-R DL, DVD+R, DVD+RW, DVD+R DL, DVD-Video, CD-ROM, CD-ROM XA, CD-Audio, CD-Extra, CD-Text, CD-I Ready, CD-Bridge, Photo-CD, Video-CD, Hybrid-CD	
Writing Methods		DAO (disc at once), SAO (session at once), TAO (track at once) with zero gap, variable or fixed packet, multisession	
Compatibility		MPC Level 3, MultiRead, PC2001	
Weight		0.19 kg	
Dimensions H x W x D		12.7 x 128 x 129 mm	

ND-6751/ND-7551

The multi- and super-multitalent – including visual disc formatting.

Both are as slim as could be – but true workhorses when it comes to innovative performance. Not only do the ND-6751 and ND-7551 let you read and write DVDs and CDs, both devices also have an innovative function that lets you design the labels and data sides of your optical discs. As a genuine super-multitalent, the ND-7551 can also write DVD-RAMs, giving you additional rewriting and data security capabilities.

Technical Specifications ND-6751/ND-7551

		DVD-ROM	CD-ROM
Transfer Rate Read		8x CAV (max. 11,000 kByte/s)	24x CAV (max. 3,600 kByte/s)
Transfer Rate Write	-R	8x CAV (max. 11,000 kByte/s)	24x CAV (max. 3,600 kByte/s)
	-RW	6x ZCLV(max. 8,250 kByte/s)	20x ZCLV (max. 3,000 kByte/s)
	-R DL	4x ZCLV (5,500 kByte/s)	
	-RAM	ND-7551: 5x ZCLV (6,900 kByte/s)	
	+R	8x ZCLV (11,000 kByte/s)	
	+RW	8x ZCLV (max. 11,000 kByte/s)	
	+R DL	ND-7551: 8x ZCLV (max. 11,000 kByte(s)	
	+R DL	ND-6751: 8x ZCLV (11,000 kByte(s)	
Access Time		160 ms	130 ms
Mechanism		Internal 12/8 cm CD- and DVD-drive, motorized tray load mechanism for horizontal and vertical use, emergency eject, buffer underrun error prevention	
Interface		IDE/ATAPI	
Burst Transfer Rate		PIO mode 4/Ultra DMA 33 (max. 33 MByte/s transfer rate)	
Media/Modes Supported		DVD-ROM, DVD-R, DVD-RW, DVD-R DL, DVD-RAM, DVD+R, DVD+R9, DVD+RW, DVD+R DL, DVD-Video, CD-ROM, CD-ROM XA, CD-Audio, CD-Extra, CD-Text, CD-I Ready, CD-Bridge, Photo-CD, Video-CD, Hybrid-CD, Label Flash	
Writing Methods		DAO (disc at once), SAO (session at once), TAO (track at once) with zero gap, variable or fixed packet, multisession	
Compatibility		MPC Level 3, MultiRead, PC2001	
Weight		0.19 kg	
Dimensions H x W x D		12.7 x 128 x 129 mm	

ND-3570/ND-4570

For those tiny miracles when you need fast reading and writing.

Fast... faster... now speeding through the finish line – the ND-3570 or the ND-4570 are your pacesetters for a whole new level of performance in burning and playing DVDs and CDs. When you watch DVD-ROMs they are 16x as fast – with CD-ROMs they reach 48x speed. And when you want to burn these media, you're also at the head of the race. Writing in the -R DL format e. g. offers you 6x (ND-3570) or 8x (ND-4570) speed. And in addition the ND-4570 is also capable of writing DVD-RAM media with 5x speed.

Technical Specifications ND-3570/ND-4570

		DVD-ROM	CD-ROM
Transfer Rate Read		16x CAV (max. 22,000 kByte/s)	48x CAV (max. 7,200 kByte/s)
Transfer Rate Write	-R	16x CAV (max. 11,000 kByte/s)	48x CAV (max. 7,200 kByte/s)
	-RW	6x ZCLV (8,200 kByte/s)	32x ZCLV (max. 4,800 kByte/s)
	-R DL	ND-3570: 6x ZCLV (max. 8,200 kByte/s)	
		ND-4570: 8x ZCLV (max. 11,000 kByte/s)	
	-RAM	ND-4570: 5x ZCLV (max. 6,900 kByte/s)	
	+R	16x CAV (max. 22,000 kByte/s)	
	+R DL	8x ZCLV (max. 11,000 kByte/s)	
	+RW	8x ZCLV (max. 11,000 kByte/s)	
Access Time		160 ms	140 ms
Mechanism		Internal 12/8 cm CD- and DVD-drive (half height form factor), motorized tray load mechanism for horizontal and vertical use, emergency eject	
Interface		IDE/ATAPI	
Burst Transfer Rate		PIO mode 4/Ultra DMA 33 (max. 33 MByte/s transfer rate)	
Cache Memory		2 MByte	
Audio		Digital-out and line-out at the back (MPC compatible)	
Media/Modes Supported		DVD-ROM, DVD-R, DVD-RW, DVD-R DL, DVD+R, DVD+R9, DVD+RW, DVD-Video, CD-ROM, CD-ROM XA, CD-Audio, CD-Extra, CD-Text, CD-I Ready, CD-Bridge, Photo-CD, Video-CD, Hybrid-CD, Label Flash	
Writing Methods		DAO (disc at once), SAO (session at once), TAO (track at once) with zero gap, variable or fixed packet, multisession	
Compatibility		MPC Level 3, MultiRead, PC2001	
Weight		0.9 kg	
Dimensions H x W x D		42 x 148 x 190 mm	
Special Feature		Dust protected enclosure	

ND-3571/ND-4571

Your high-performance masters with creative labelflash function.

What's the most important quality for a device that reads and writes to modern storage media? Diversity! Here are two that not only perform at top speed in all disciplines, but also offer new dimensions of convenience and data security. The ND-3571 and ND-4571 can be used for all conventional DVD and CD formats. The latter in particular being your super-multiple companion, writing also in the DVD-RAM format with 5x speed, thus letting you profit from optimal rewritability and increased data security. Both DVD-burners offer you an attractive additional option with labelflash for graphically designing and labeling your discs as well.

Technical Specifications ND-3571/ND-4571

		DVD-ROM	CD-ROM
Transfer Rate Read		16x CAV (max. 22,000 kByte/s)	48x CAV (max. 7,200 kByte/s)
Transfer Rate Write	-R	16x CAV (max. 22,000 kByte/s)	48x CAV (max. 7,200 kByte/s)
	-RW	6x ZCLV (max. 8,200 kByte/s)	32x ZCLV (max. 4,800 kByte/s)
	-R DL	ND-3571: 6x ZCLV (max. 8,200 kByte/s)	
		ND-4571: 8x ZCLV (max. 11,000 kByte/s)	
	-RAM	ND-4571: 5x ZCLV (max. 6,900 kByte/s)	
	+R	16x CAV (max. 22,000 kByte/s)	
	+R DL	8x ZCLV (max. 11,000 kByte/s)	
	+RW	8x ZCLV (max. 11,000 kByte/s)	
Access Time		160 ms	140 ms
Mechanism		Internal 12/8 cm CD- and DVD-drive (half height form factor), motorized tray load mechanism for horizontal and vertical use, emergency eject	
Interface		IDE/ATAPI	
Burst Transfer Rate		PIO mode 4/Ultra DMA 33 (max. 33 MByte/s transfer rate)	
Cache Memory		2 MByte	
Audio		Digital-out and line-out at the back (MPC compatible)	
Media/Modes Supported		DVD-ROM, DVD-R, DVD-RW, DVD-R DL, DVD-RAM, DVD+R, DVD+R9, DVD+RW, DVD-Video, CD-ROM, CD-ROM XA, CD-Audio, CD-Extra, CD-Text, CD-I Ready, CD-Bridge, Photo-CD, Video-CD, Hybrid-CD, labelflash	
Writing Methods		DAO (disc at once), SAO (session at once), TAO (track at once) with zero gap, variable or fixed packet, multisession	
Compatibility		MPC Level 3, MultiRead, PC2001	
Weight		0.9 kg	
Dimensions H X W x D		42 x 148 x 190 mm	
Special Feature		Dust protected enclosure	

FD-1231H/FD-3238H

Maximum performance in minimum space.

Gigantic, when it comes to technical performance – otherwise, the epitome of frugality. NEC's FD-1231H and Floppy FD-3238H interfaces use advanced LSI technology to bundle a maximum of data capacity with innovative functionality in the smallest possible space. Their three decisive characteristics – minimum height, reduced heat build-up, and minimal power consumption – are the finishing touches that modern PCs (FD-1231H) and notebooks (FD-3238H) need to top off their performance. And due to the highest possible quality of materials, they're so quiet you'll hardly hear them.

Technical Specifications FD-1231H/FD-3238H

	FD-1231H	FD-3238H
Data Transfer Rate	250/125 kByte/s	500/300/250 kByte/s
Track to Track Access	3 ms	3 ms
Capacity	1.44/0.72 MByte	1.44/0.72 MByte
Disks	3.5'' double-side high density	3.5'' double-side high density
	3.5'' double-side density	3.5'' double-side density
Spindle Speed	300 U/min	300 U/min
MTBF	30,000 POH	30,000 POH
Voltage	5 V	5 V
Power Consumption	Stand by 0.015 W, read/write 1.4 W	Stand by 0.015 W, read/write 1.1 W
Weight	430 g	160 g
Dimensions H x W x D	25.4 x 101.6 x 146 mm	12.7 x 96 x 126 mm

UF0002

Completely detached – but securely connected with USB.

For those who prefer an external floppy drive to an internal device, the UF0002 is the ideal solution. It specializes in writing to 3.5" micro floppy disks and can be effortlessly connected according to the standard USB Interface Specification Rev. 1.1. It also excels with its robustness and dependability. No wonder that its predecessor, an internal version, is so well-loved by OEMs and PC assemblers that it's been sold millions of times.

Technical Specifications UF0002

Data Transfer Rate	500/300/250 kByte/s
Track to Track Access	3 ms
Capacity	1.44/1.25/0.72 MByte
Disks	3.5" Micro Floppy Disks
Shock	5G max., non-operating: 100G max.
Spindle Speed	300 U/min
MTBF	30,000 POH
Voltage	DC + 5.25 V + 4.4 V, 500 mA
Max. Power Consumption	< 500 mA
Weight	280 g
Dimensions H x W x D	17 x 103 x 142 mm

Partnership for quality.

Our comprehensive service sets an example.

When you purchase a superior-quality high capacity storage product from NEC, you're also on the safe side after you own it.

We provide:

Warranty.
We provide a two-year warranty for every new product.
Please refer to www.de.nec.de

Service.
It goes without saying that competent service is included. Please contact your commercial partner or the distributor from whom you bought the product.

Hotline Support.
For any technical questions or problems, just call our hotline – our service specialists are waiting to help you.

Hotline: ++49(0)89/96274-233

Competence through performance.

Whether reading, storing, organizing, or archiving your data – NEC's accomplished high capacity storage products aid you with their full competence. They dazzle as the pro in your business and shine as a multimedia virtuoso in your home. Experience their performance. Contact us or your authorized dealer to find out more. You'll profit decisively from our innovative competence.

Information hotline: 01805-969699
E-Mail: infoline@de.neceur.com

NEC Deutschland GmbH
Reichenbachstraße 1
D-85737 Ismaning
Germany

Tel.: ++49(0)89/962740
Fax: ++49(0)89/96274-500

www.de.nec.de

Empowered by Innovation NEC